

For more information

To contact the ARB Heavy-Duty

Diesel Enforcement Program call:

(916) 322-7061 (from Northern CA)

(626) 450-6161 (from Southern CA)

To contact the ARB toll-free:

(800) END-SMOG (CA only) or

(800) 242-4450 (outside CA)

P.O. Box 2815, Sacramento, CA

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For information in

Alternative formats:

(916) 323-4916 (voice, ARB ADA Coordinator)

(916) 324-9531 (TDD, Sacramento area only)

(800) 700-8326 (TDD, outside of Sacramento)

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State of California
Arnold Schwarzenegger, Governor

California Environmental Protection Agency
Alan C. Lloyd, Ph.D
Secretary for Environmental Protection

Air Resources Board

Why is California Regulating Transport Refrigeration Units (TRUs)?

The TRU Air Toxic Control Measure (ATCM) is designed to use a phased approach over 15 years to reduce the diesel particulate matter (PM) emissions from in-use TRU and TRU generator sets that operate in California



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California Environmental Protection Agency



Air Resources Board

facts about...

the regulation to reduce diesel particulate emissions from transport refrigeration units (TRUs)

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to help you save money
and do your part to
help clean
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HD vehicle information series

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Airborne Toxic Control Measure (ATCM) for In-Use Diesel-Fueled Transport Refrigeration Units (TRUs) and TRU Generator Sets and Facilities where TRUs Operate

Why is diesel particulate matter (PM) of concern?

Diesel exhaust contains a large amount of particulate matter made up of more than 40 identified toxic air contaminants (TAC), including many known or suspected cancer-causing substances. Because the amount of diesel emissions in California is so high, it is the number one contributor to the adverse health impacts of TACs known today.



Who is affected by the TRU ATCM?

The TRU ATCM applies to owners and operators of in-use diesel-fueled TRUs and TRU generator sets that operate in California, irrespective of whether they are registered in or outside the State. This includes all carriers that transport perishable goods using diesel-powered refrigeration systems on trucks, trailers, shipping containers, and railcars that operate in California. It also affects facilities with 20 or more loading dock doors serving refrigerated areas where perishable goods are loaded or unloaded for distribution on trucks, trailers, shipping containers, or railcars that are under facility control.

What are the basic requirements of the TRU ATCM?

Applicable facilities will be required to submit a one-time report to the California Air Resources Board that provides information about the size and type of facility, and the TRU activity that occurs at the facility.

The TRU ATCM will require in-use TRU and TRU generator set engines that operate in California, to meet in-use performance standards that vary by horsepower range.

Standards can be met by:

- Using an engine that meets the required engine certification value, or
- Equipping the engine with the required level of verified diesel emission control strategy, or
- Using an alternative technology.

When does this regulation go into effect?

The facility reports are due January 31, 2006.

Applications for an ARB identification number for all California-based TRUs and TRU generator sets and the initial operator reports are due on or before January 31, 2009, which follows the first compliance date.

TRUs and TRU generator sets that operate in California will be required to meet the in-use performance standards on a phased compliance schedule based on the engine model year, as follows:

In-Use TRU & TRU Generator Set Compliance Schedule

Engine Model Year	Compliance Date for Low-Emission Standard	Compliance Date for Ultra Low-Emission Standard
2001 or older	Dec 31, 2008	Dec 31, 2015
2002	Dec. 31, 2009	Dec. 31, 2016
2003	N/A	Dec 31, 2010
Future Years	N/A	Dec 31st of the model year + 7 years

Need more information?

To obtain a copy of the regulation visit our web site at <http://www.arb.ca.gov/regact/trude03/trude03.htm>.

Frequently asked questions and guidelines are also available at <http://www.arb.ca.gov/diesel/tru.htm>.